

**REMARKS**

Claims 10-14, 16-23 and 25-27 were pending in the present application and were rejected. Claims 10, 12-14, 19 and 21-23 are herein amended. Claims 11 and 20 are herein cancelled without prejudice. No new matter has been added.

**Applicants' Response to Claim Rejections under 35 U.S.C. §102**

**Claims 10-14, 16-23 and 25-27 were rejected under 35 U.S.C. §102(e) as being anticipated by Terasawa (U.S. Patent No. 6,147,714).**

It is the position of the Office Action that Terasawa discloses the invention as claimed. Terasawa is directed at a control apparatus and control method for displaying an electronic program guide.

In one embodiment, Terasawa discloses a data stream including a plurality of single frames from different programs. The data stream containing five single frames from different programs and a title bar is illustrated in Figure 4. The data stream illustrated in Figure 4 is superimposed on a currently-viewed program. An example of a title bar alone is illustrated in Figure 5, while an example of the data stream alone, containing five single frames, is illustrated in Figure 6. An information screen is illustrated in Figure 7 which shows the single frame, the title bar, and program data such as the day and time of airing, the cast members, and a synopsis. Program category icons, such as those illustrated in Figure 37, and channel icons, such as those illustrated in Figure 38, may be used in the data stream.

The single frame which is displayed in the data stream illustrated in Figure 4 is generated by the single-frame generating circuit 332-1. "This single frame is targeted for presenting part of a predetermined program for promotion." Column 5, lines 13-14. Additionally, this still frame may correspond to recommended programs, promotion of program providers, etc. See column 7, lines 21-27. The content of this still frame image data is described in detail at column 9, lines 41-67.

The single-frame is a pre-selected image which is a component of the electronic program data for the electronic program guide (EPG). This single frame is likely a still frame selected from all the frames in the program. However, it is unclear how a single-frame would be obtained for a live event, such as a sporting event. It would appear that a single-frame representing a live event would not be selected from all the frames in the program, since this single frame is pre-selected. Terasawa discloses that the EPG includes three components: (i) EPG1, which includes the still picture data, (i) EPG2, which includes the text data such as title, broadcast date and time, cast and synopsis for programs in the near future, and (iii) EPG3, which includes data for programs to be aired in the distant future. The EPG data is received by the demultiplexor 24, which then stores the EPG data in the EPG area 35A of the data buffer memory 35. Column 12, line 64 to column 13, line 9; column 15, lines 14-30.

In order to obtain the data stream illustrated in Figure 4, the user presses program-table button switch (guide display operation means) 144. Accordingly, five reduced-size still frames are illustrated in a data stream on the screen, with a cursor being present over one of the frames. The user may navigate to a desired still frame. If the user presses the select button 131 while the

cursor is over the desired still frame, the tuner 21 will tune to the program which is represented by the still frame selected. On the other hand, if the user presses the information button switch 145, detailed information such as that illustrated in Figure 7 is displayed.

A more detailed embodiment of the data stream is illustrated in Figures 35, 36 and 40. The still images in the data stream may be organized by category, as in Figure 35 and 36, or by channel, as in Figure 40. In the case of Figure 35, when a data stream is brought onto the screen, initially still images from a program in each of categories B-E are illustrated.

With reference to Figure 36, a user may navigate left-to-right to select images from categories A-F, and so on. Additionally, a user may navigate up-and-down to select images from multiple programs within a single category. For instance, a user could navigate between programs 1, 2 and 3 in category B.

It is noted that Figure 35 illustrates "Future Program" being listed in category D. It is presumed that pressing the information button switch 145 while such a "Future Program" is selected would cause program information such as that illustrated in Figure 7 to be displayed. However, it is unclear what occurs if the select button 131 is pressed while such a "Future Program" is selected. It is presumed that an error message would result, since the tuner 21 would be unable to tune to a future program.

With reference to Figure 40, a similar embodiment is illustrated, where the programs are categorized by channel. When the data stream is brought onto the screen, initially still images from the currently aired programs on channels 3-7 are displayed. The user may scroll left-to-

right to view still images of currently aired programs on channels 1-7. The user may also scroll up-and-down to view still images from future programs on a desired channel.

Finally, it is noted that in some scenarios a full program guide displaying more than five still images simultaneously may be displayed. See Figure 32, which is a full program guide, as compared to Figure 33, which is a data stream. Figures 41 and 42 are also similarly comparable.

In response, Applicants respectfully note the differences between Terasawa and the claimed invention. Terasawa discloses a configuration and display method of an Electronic Program Guide (EPG). Considering the characteristics of an EPG, it is clear that Terasawa does not play a data stream (*i.e.*, still pictures). Although Terasawa mentions that a data stream is displayed on a screen, the purpose of the EPG is to allow the user to select a program, rather than to play a data stream. On the other hand, the present invention is directed at playing a slide comprising a set of slide components. This is a major difference between Terasawa and the present invention.

Additionally, in Terasawa's invention, transition from a "data stream" to a currently broadcasted program is considered, but transition from a broadcasted program to a "data stream" is not disclosed. On the other hand, in the present invention, bidirectional transitions are defined between a slide component and an original audio/video program.

Next, in Terasawa's invention, only reduced-sized still pictures are considered as a data stream. These pictures are non-continuous media data. In the present invention, a slide component is defined as a segment of any of audio, video and audiovisual data. In addition, Terasawa does not disclose a data stream of audio and audiovisual programs.

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Finally, in Terasawa's invention, the data stream is stored as event\_still\_image\_descriptor in Event Information Table (EIT). See Figure 15. The EIT itself is binary data and is unreadable. In addition, the EIT contains binary data of the data stream. On the other hand, in the present invention, information about a slide component and corresponding original audio/video program is described in a textual format, such as XML. Such a textual description is readable. In addition, the slide components and textual description are separate files.

Therefore, Applicants herein amend the claims to more clearly recite these features. These amendments are supported by at least page 8, lines 19-20; page 9, line 20 to page 10, line 11; Figures 2C, 5C and 6C; and original claims 11-13 and 20-22. Thus, Applicants respectfully submit that the presently claimed embodiments distinguish over Terasawa. Favorable reconsideration is respectfully requested.

For at least the foregoing reasons, the claimed invention distinguishes over the cited art and defines patentable subject matter. Favorable reconsideration is earnestly solicited.

Should the Examiner deem that any further action by applicants would be desirable to place the application in condition for allowance, the Examiner is encouraged to telephone applicants' undersigned attorney.

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If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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